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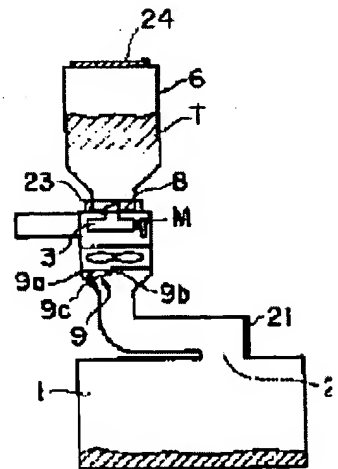
TONER REPLENISHMENT DEVICE FOR IMAGE FORMING DEVICE

Patent number: JP9006108
Publication date: 1997-01-10
Inventor: TAKAGI YUICHI
Applicant: CANON INC
Classification:
- international: G03G15/08; G03G15/08; G03G15/08
- european:
Application number: JP19950171620 19950615
Priority number(s):

Abstract of JP9006108

PURPOSE: To smoothly and quickly execute the replenishment work of toner by providing a splash prevention member preventing the toner from being leaked at the part on a hopper side connected to a toner container and sucking and carrying the toner.

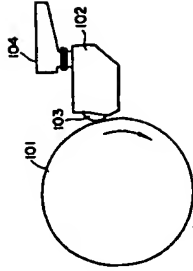
CONSTITUTION: The toner container 6 is set at the upper aperture part of a toner replenishment part. In such a state, a nozzle 3 is moved upward by driving a driving means M such as a motor and a solenoid. Thus, a seal material 8 sealing the aperture of the container 6 set at the upper part is broken. By driving a fan after the seal material 8 of the container 6 was cut, the toner T in the container 6 is sucked toward the hopper 1 and housed therein. In such a case, a small quantity of toner is splashed when the seal material 8 of the container 6 is broken by the nozzle 23. However, the toner is prevented from being scattered outside by constituting the device so that the aperture part provided with the seal material 8 of the container 6 is closely surrounded by the splash prevention member 23 formed at the upper end of the replenishment part.



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【図11】



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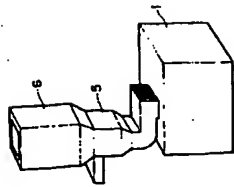
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トナー飛散防止部材

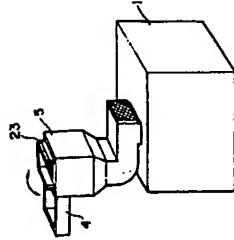
23

12、16、17 シャッタ
21、24 フィルタ

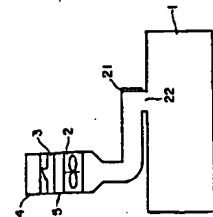
【図3】



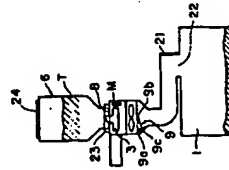
【図2】



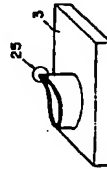
【図1】



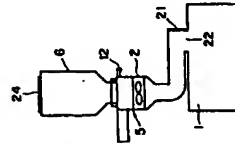
【図4】



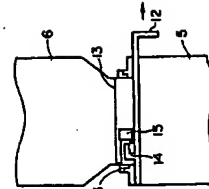
【図5】



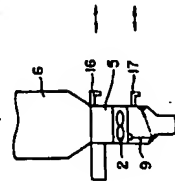
【図6】



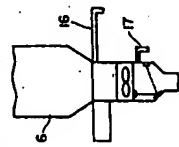
【図7】



【図8】



【図10】



【図12】

